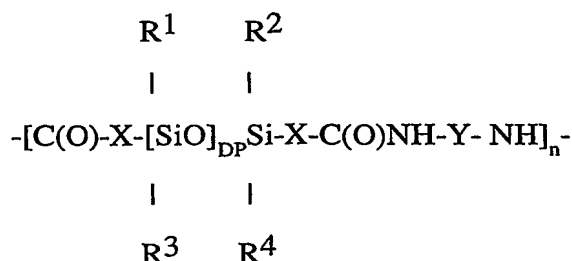


## Claims:

1. A thermoplastic resin composition comprising at least 80% of a reaction product resulting from the melt mixing of;

A) a nylon thermoplastic resin, and

B) a siloxane modified amide having the formula;



where,

(1) DP (degree of polymerization) is 1-700,

(2) n is 1-500,

(3) X is a linear or branched chain alkylene having 1-30 carbons,

(4) Y is a linear or branched chain alkylene having 1-40 carbons,

wherein,

(a) the alkylene group may optionally and additionally contain in the alkylene portion at least one of (i) 1-3 amide linkages; (ii) a C5 or C6 cycloalkane; or (iii) phenylene, optionally substituted by 1-3 members which are independently C1-C3 alkyls;

(b) the alkylene group itself may optionally be substituted by at least one of (i) hydroxy; (ii) a C3-C8 cycloalkane; (iii) 1-3 members which are independently C1-C3 alkyls; phenyl, optionally substituted by 1-3 members which are independently C1-C3 alkyls; (iv) a C1-C3 alkyl hydroxy; or (v) a C1-C6 alkyl amine;

(c) Y can be Z where Z is T(R<sup>20</sup>)(R<sup>21</sup>)(R<sup>22</sup>) where R<sup>20</sup>, R<sup>21</sup> and R<sup>22</sup> are each independently linear or branched C1-C10 alkylenes; and T is CR in which R is hydrogen, the group defined for R<sup>1</sup>-R<sup>4</sup>, or a trivalent atom such as N, P and Al;

(5) each of R<sup>1</sup>-R<sup>4</sup> is independently methyl, ethyl, propyl, isopropyl, a siloxane chain, or phenyl, wherein the phenyl may optionally be substituted by 1-3 members, which are methyl or ethyl; and

(6) X, Y, DP, and R<sup>1</sup>-R<sup>4</sup> may be the same or different for each polyamide unit.

2. The thermoplastic resin composition of claim 1 wherein 0.5 to 20 weight parts of B) is used per 100 weight parts of A).

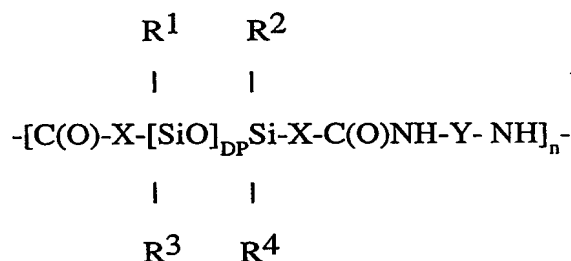
3. The thermoplastic resin composition of claim 1 wherein 20 to 50 weight parts of B) is used per 100 weight parts of A).

4. The thermoplastic resin composition of claim 1 wherein the nylon thermoplastic resin is selected from the group of nylon 6, nylon 6/6, nylon 6/12 nylon 12, and mixtures thereof.

5. A process for preparing a thermoplastic resin composition comprising melt mixing;

A) a nylon thermoplastic resin, and

B) a siloxane modified amide having the formula;



where,

(1) DP (degree of polymerization) is 1-700,

(2) n is 1-500,

(3) X is a linear or branched chain alkylene having 1-30 carbons,

(4) Y is a linear or branched chain alkylene having 1-40 carbons,

wherein,

(a) the alkylene group may optionally and additionally contain in the alkylene portion at least one of (i) 1-3 amide linkages; (ii) a C5 or C6

cycloalkane; or (iii) phenylene, optionally substituted by 1-3 members which are independently C1-C3 alkyls;

(b) the alkylene group itself may optionally be substituted by at least one of (i) hydroxy; (ii) a C3-C8 cycloalkane; (iii) 1-3 members which are independently C1-C3 alkyls; phenyl, optionally substituted by 1-3 members which are independently C1-C3 alkyls; (iv) a C1-C3 alkyl hydroxy; or (v) a C1-C6 alkyl amine;

(c) Y can be Z where Z is  $T(R^{20})(R^{21})(R^{22})$  where  $R^{20}$ ,  $R^{21}$  and  $R^{22}$  are each independently linear or branched C1-C10 alkenes; and T is CR in which R is hydrogen, the group defined for  $R^1$ - $R^4$ , or a trivalent atom such as N, P and Al;

(5) each of  $R^1$ - $R^4$  is independently methyl, ethyl, propyl, isopropyl, a siloxane chain, or phenyl, wherein the phenyl may optionally be substituted by 1-3 members, which are methyl or ethyl; and

(6) X, Y, DP, and  $R^1$ - $R^4$  may be the same or different for each polyamide unit.

wherein the thermoplastic resin composition contains at least 80 weight percent of A) and B).

6. An article of manufacture comprising the composition of claim 1.

7. An article of manufacture comprising a sheet product made from the composition of claim 1.

8. An article of manufacture comprising a molded article made from the composition of claim 1.

9. An article of manufacture comprising a fiber made from the composition of claim 1.

10. An article of manufacture in accordance with claim 9 comprising a nonwoven fabric made from said fiber.

11. An article of manufacture in accordance with claim 9 comprising a spun yarn made from said fiber.

5 12. An article of manufacture in accordance with claim 11 comprising a textile woven from said spun yarn.